

INTERNATIONAL SEARCH REPORT

In. tional Application No

PCT/GB 98/03695

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 B01J3/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols);

IPC 6 B01J C30B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SHI MING HONG ET AL.: "Diamond Formation from a System of SiC and a Metal" DIAMOND AND RELATED MATERIALS., vol. 2, 1993, pages 508-511, XP000361192 AMSTERDAM NL see abstract see page 508, right-hand column, paragraph 2 see page 510, right-hand column, paragraph 2 see figure 4	1-3
A	---	4-9
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

6 April 1999

Date of mailing of the international search report

19/04/1999

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JAE-KAP LEE ET AL.: "Effect of the Buoyancy Force on Diamond Formation During Synthesis Under a High Pressure" DIAMOND AND RELATED MATERIALS, vol. 2, 31 March 1993, pages 496-499, XP000361191 AMSTERDAM NL see page 497, left-hand column, paragraph 2 - paragraph 4 see figures 3,4	1-3
A	---	4-9
X	US 4 551 316 A (EIICHI IIZUKA) 5 November 1985 see abstract see column 2, line 49 - line 54 see column 4, line 23 - line 48 see column 11, line 24 - line 38 see figures 1,2	1,2
A	---	4,5,7-9
A	A.V. ANDREYEV & H. KANDA: "Diamond Formation and Wettability in a Mg-Cu-C System Under High Pressure and High Temperature" DIAMOND AND RELATED MATERIALS, vol. 6, no. 1, January 1997, pages 28-32, XP004061142 AMSTERDAM NL see the whole document	1-9
A	EP 0 079 117 A (GENERAL ELECTRIC COMPANY) 18 May 1983 see abstract see page 4, line 12 - line 25 see page 4, line 37 - page 5, line 2 see claims	1-9

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4551316 A	05-11-1985	JP 1264707 C	16-05-1985
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